

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
	APPLICANT Nemerow et al.	
	FILING DATE July 10, 2000	GROUP 1632

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
* <i>NO</i>	AA	4	3	5	6	2	7	0	10/26/82	Itakura	435	317	11/05/79
*	AB	4	4	3	1	7	4	6	02/14/84	Rollman	502	73	06/26/81
*	AC	4	5	2	2	8	1	1	06/11/85	Eppstein <i>et al.</i>	514	2	07/08/82
*	AD	4	5	7	5	0	1	3	03/11/86	Bartley	241	275	07/25/83
*	AE	4	7	1	9	1	7	9	01/12/88	Barany	435	172.1	11/30/84
*	AF	4	7	4	5	0	5	1	05/17/88	Smith <i>et al.</i>	435	68	05/27/83
*	AG	4	8	7	0	0	0	9	09/26/89	Evans <i>et al.</i>	435	70	12/15/83
*	AH	4	9	5	2	4	9	6	08/28/90	Studier <i>et al.</i>	435	91	12/29/86
*	AI	5	1	2	2	4	6	3	06/16/92	Varshavsky <i>et al.</i>	435	172.3	05/17/90
*	AJ	5	1	6	9	7	8	4	12/08/92	Summers <i>et al.</i>	435	320.1	09/17/90
*	AK	5	1	7	3	4	0	3	12/22/92	Tang <i>et al.</i>	435	6	01/19/90
*	AL	5	1	8	7	1	5	3	02/16/93	Cordell <i>et al.</i>	514	12	03/29/90
*	AM	5	2	0	4	2	5	4	04/20/93	Schmid <i>et al.</i>	435	202	05/29/91
*	AN	5	2	1	2	0	5	8	05/18/93	Baker <i>et al.</i>	435	252.33	11/08/91
*	AO	5	2	1	2	2	8	6	05/18/93	Lewicki <i>et al.</i>	530	324	06/05/86
*	AP	5	2	1	5	9	0	7	06/01/93	Tang <i>et al.</i>	435	219	01/30/92
*	AQ	5	2	2	0	0	1	3	06/15/93	Ponte <i>et al.</i>	536	23.5	11/30/89
*	AR	5	2	2	3	4	8	3	08/28/92	Thomas <i>et al.</i>	514	12	08/28/92
*	AS	5	2	2	7	2	9	3	07/13/93	Stengelin <i>et al.</i>	435	69.7	04/23/92
*	AT	5	2	2	7	4	6	9	07/13/93	Lazarus <i>et al.</i>	530	324	10/26/90
*	AU	5	2	2	9	2	7	9	07/20/93	Peoples <i>et al.</i>	435	135	08/13/90
*	AV	5	2	3	1	0	0	8	07/27/93	Oeda <i>et al.</i>	435	69.1	06/18/91
*	AW	5	2	4	0	8	3	1	08/31/93	Barns <i>et al.</i>	435	69.1	01/10/91

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
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Title: **BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED GENE DELIVERY**

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
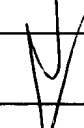
ATTY. DOCKET NO.
22908-1228BSERIAL NO.
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EXAMINER INITIAL		DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
* 	AA	4	3	5	6	2	7	0		10/26/82	Itakura	435	317	11/05/79
*	AX	5	2	4	2	6	8	7		09/07/93	Tykocinski et al.	424	93	04/25/91
*	AY	5	2	4	3	0	4	1		09/07/93	Fernandez-Pol	536	23.5	08/22/91
*	AZ	5	2	4	4	8	0	5		09/14/93	Miller	435	320	01/17/91
*	BA	5	2	6	2	3	0	9		11/16/93	Nakamura et al.	435	69.5	09/22/89
*	BB	5	2	6	6	3	1	7		11/30/93	Tomalsi et al.	424	93	10/04/90
*	BC	5	2	7	0	4	5	8		12/14/93	Lemischka	536	23.5	11/19/92
*	BD	5	2	7	8	0	5	0		01/11/94	Summers	435	69.1	06/03/92
*	BE	5	2	8	1	5	2	5		01/25/94	Mitsushima et al.	435	197	04/22/91
	BF	5	5	2	1	2	9	1		05/28/96	Curiel et al.	530	391.7	12/15/93
	BG	5	7	1	2	1	3	6		01/27/98	Wickham et al.	435	172.3	04/17/96
*	BH	5	9	9	4	1	0	6		11/30/99	Kovesdi et al.	435	91.4	11/26/96
	BI	6	0	4	6	0	4	7		04/04/00	Crabtree et al.	435	320.1	09/16/98

(*) References previously cited

(X) Derwent English language abstract and/or English translation provided.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
	BJ	0	0	0	9	1	6	8		24/02/00	PCT	A61K 48	00		
	BK	0	0	5	3	7	9	0		14/09/00	PCT	C12N 15	87		
	BL	0	0	6	2	8	1	5		26/10/00	PCT	A61K 48	00		
	BM	0	0	6	6	7	3	6		09/11/00	PCT	C12N 15	12		
	BN	0	0	7	3	3	1	6		A2 07/12/00	PCT	C07H			

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	BP	1	0	6	7	1	8	8	A1 10/01/01	EPO	C12N 15	34		
	BQ	1	9	8	0	7	2	65	A1 26/08/99	Germany	C12N 15	86		X*
	BR	1	9	8	4	9	6	43	A1 04/05/00	Germany	C07K 16	00		X*
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	BU	2	00	00	02	90	29	8	17/10/00	Japan	C07K 016	08		X*
	BV	2	7	5	8	8	2	2	A1 30/01/97	France	C07K 14	705		X*
	BW	9	1	0	7	9	7	7	13/06/91	PCT	A61K 37	00		
	BX	9	4	1	0	3	2	3	11/05/94	PCT	C12N 15	87		
	BY	9	6	0	7	7	3	4	14/03/96	PCT	C12N 7	01		
	BZ	9	7	0	5	2	6	6	13/02/97	PCT	C12N 15	87		
	CA	9	8	3	3	9	2	9	06/08/98	PCT	C12N 15	86		X
	CB	9	8	4	0	5	0	8	17/09/98	PCT	C12N 15	86		
*	CC	9	3	0	3	7	0	9	03/04/93	PCT				
*	CD	9	3	1	0	1	3	9	05/27/93	PCT				
*	CE	9	5	3	4	6	7	1	12/21/95	PCT				
*	CF	9	6	2	2	3	7	8	07/25/96	PCT				

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W	CG	9	8	1	3	4	9	9	04/04/98	PCT				
	CH	9	9	3	6	4	4	0	22/07/99	PCT	CO7K 16	00		
	CI	9	9	3	9	7	3	4	12/08/99	PCT	A61K 39	02		
	CJ	9	9	4	0	2	1	4	12/08/99	PCT	C12N 15	86		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

*	CK	Altschul <i>et al.</i> , "Basic Local Alignment Search Tool," <i>J. Mol. Biol.</i> , <u>215</u> : 403-410, (1990)
*	CL	Assil <i>et al.</i> , "Multivesicular Liposomes: Sustained Release of the Antimetabolite Cytarabine in the Eye," <i>Arch. Ophthalmol.</i> , <u>105</u> :400-403, (1987)
*	CM	Ausubel <i>et al.</i> , <i>Current Protocols in Molecular Biology</i> , Suppl.8. p.2.11.7, John Wiley & Sons, New York, (1991)
*	CN	Bailey <i>et al.</i> , "Processing at the carboxyl terminus of nascent placental alkaline phosphatase in a cell-free system: Evidence for specific cleavage of a signal peptide," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>86</u> :22-26, (1989)
*	CO	Barbas <i>et al.</i> , "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>88</u> :7978-7982, (1991)
*	CP	Batra <i>et al.</i> , "Insertion of constant region domains of human IgG ₁ into CD4-PE40 increases its plasma half-life," <i>Molecular Immunology</i> , <u>30(4)</u> :379-386, (1993)
	CQ	Benihoud <i>et al.</i> , "Adenovirus vectors for gene delivery", <i>Current Opinion in Biotechnology</i> , <u>10</u> :440-447 (1999)
	CR	Benmerah <i>et al.</i> , "AP-2/Eps15 Interaction is required for Receptor-mediated Endocytosis," <i>J. Cell Biol.</i> , <u>140</u> :1055-1062, (1998)
*	CS	Bergelson <i>et al.</i> , "Isolation of a Common Receptor for Coxsackie B Viruses and Adenoviruses 2 and 5," <i>Science</i> , <u>275</u> :1320-1323, (1997)
*	CT	Bett <i>et al.</i> , "Packaging Capacity and Stability of Human Adenovirus Type 5 Vectors," <i>J. Virol.</i> , <u>67(10)</u> :5911-5921, (1993)

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*	CU	Bilbao <i>et al.</i> , "Targeted Adenoviral Vectors For Cancer Gene Therapy," <i>Adv. Exp. Med. Biol.</i> , <u>451</u> :365-374, (1998)
	CV	Boerger <i>et al.</i> , "Retroviral vectors preloaded with a viral receptor-ligand bridge protein are targeted to specific cell types", <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>96</u> :9867-9872 (1999)
*	CW	Brosius <i>et al.</i> , "Regulation of ribosomal RNA promoters with a synthetic <i>lac</i> operator," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>81</u> :6929-6933, (1984)
*	CX	Brown <i>et al.</i> , "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene," <i>Meth. Enzymol.</i> , <u>68</u> :108-151, (1979)
*	CY	Carlsson <i>et al.</i> , "Protein Thiolation and Reversible Protein-Protein Conjugation," <i>Biochem. J.</i> , <u>173</u> :723-737, (1978)
*	CZ	Carpenter <i>et al.</i> , "Phosphoinositide kinases," <i>Curr. Opin. Cell Biol.</i> , <u>8</u> :153-158, (1996)
*	DA	Carrillo, H. and Lipton, D., "The Multiple Sequence Alignment Problem in Biology," <i>SIAM J. Applied Math.</i> , <u>48</u> (5):1073, (1988)
*	DB	Chen <i>et al.</i> , "Phosphorylation of Tyrosine 397 in Focal Adhesion Kinase is Required for Binding Phosphatidylinositol 3-Kinase," <i>J. Biol. Chem.</i> , <u>271</u> (42):2639-2634, (1996)
*	DC	Chen <i>et al.</i> , "Requirement of CDC42 for <i>Salmonella</i> -Induced Cytoskeletal and Nuclear Responses," <i>Science</i> , <u>274</u> :2115-2118, (1996)
*	DD	Chiu <i>et al.</i> , "Structure of Adenovirus Complexed with Its Internalization Receptor, $\alpha_v\beta_5$ Integrin," <i>J. Virol.</i> , <u>73</u> (8):6759-6768, (1999)
*	DE	Choi <i>et al.</i> , "A Generic Intron Increases Gene Expression in Transgenic Mice," <i>Mol. Cell. Biol.</i> , <u>11</u> (6):3070-3074, (1991)
*	DF	Chou <i>et al.</i> , "The 70 kDa S6 Kinase Complexes with and Is activated by the Rho Family G Proteins Cdc42 and Rac1," <i>Cell</i> , <u>85</u> :573-583, (1996)
*	DG	Chroboczek <i>et al.</i> , "The Sequence of Adenovirus Fiber: Similarities and Differences between Serotypes 2 and 5," <i>Virol.</i> , <u>161</u> :549-554, (1987)
*	DH	Cooper <i>et al.</i> , "Complement and Infectious Agents: A tale of Disguise and Deception," <i>Complement Inflamm.</i> , <u>6</u> :249-258, (1989)
*	DI	Cooper <i>et al.</i> , "Complement, viruses, and virus-infected cells," <i>Springer Semin Immunopathol.</i> , <u>6</u> (4):327-347, (1983)

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* 	DJ	Cooper <i>et al.</i> , "The Role of Antibody and Complement in the Control of Viral Infections," <i>J. Invest. Dermatol.</i> , <u>83</u> :121s-127s, (1984)
*	DK	Corsaro <i>et al.</i> , "Enhancing the Efficiency of DNA-Mediated Gene Transfer in Mammalian Cells," <i>Somatic Cell Genetics</i> , <u>7</u> (5):603-616, (1981)
*	DL	Crystal <i>et al.</i> , "Administration of an adenovirus containing the human CFTR cDNA to the respiratory tract of individuals with cystic fibrosis," <i>Nature Genetics</i> , <u>8</u> :42-51, (1994)
*	DM	Cumber <i>et al.</i> , "Structural Features of the Antibody-A Chain Linkage that Influence the Activity and Stability of Ricin A Chain Immunotoxins," <i>Bioconj. Chem.</i> , <u>3</u> :397-401, (1992)
	DN	Curiel, D.T., "Strategies to Adapt Adenoviral Vectors for Targeted Delivery", <i>Ann N Y Acad. Sci. U.S.A.</i> , <u>886</u> :158-171, (1999)
*	DO	Cybulsky <i>et al.</i> , "Extracellular Matrix Modulates Epidermal Growth Factor Receptor Activation in Rat Glomerular Epithelial Cells," <i>J. Clin. Invest.</i> , <u>94</u> :68-78, (1994)
*	DP	De Boer <i>et al.</i> , "The <i>tac</i> promoter: A functional hybrid derived from the <i>trp</i> and <i>lac</i> promoters," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>80</u> :21-25, (1983)
*	DQ	Dedhar <i>et al.</i> , "Integrin-linked kinase (ILK): a regulator of integrin and growth-factor signalling," <i>Trends in Cell Biology</i> , <u>9</u> :319-323, (1999)
*	DR	Delcommenne <i>et al.</i> , "Phosphoinositide-3-OH kinase-dependent regulation of glycogen synthase kinase 3 and protein kinase B/AKT by the integrin-linked kinase," <i>Proc. Natl. Acad. Sci. U.S.A.</i> , <u>95</u> :11211-11216, (1998)
	DS	Derwent# 008252885 WPI Acc. No. 1990-139886/199019 (citing German Application No. CA2000048-A, published April 03, 1990)
	DT	Derwent# 012673994 WPI Acc. No. 1999-480101/199941 (citing German Application No. DE19807265-A1, published February 20, 1998)
	DU	Derwent# 013158333 WPI Acc. No. 2000-330206/200029 (citing German Application No. DE19849643-A1, published May 4, 2000)
	DV	Derwent# 013629234 WPI Acc. No. 2001-113442/200113 (citing German Application No. DE19933288-A1, published January 18, 2001)
	DW	Derwent# 013400334 WPI Acc. No. 2000-572272/200053 (citing PCT Application No. WO200053790-A1, published September 9, 2000)

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

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* 	DX	Derwent# 013581395 WPI Acc. No. 2001-065602/200108 (citing Japanese Application No. JP2000290298-A, published October 17, 2000)
	DY	Derwent# 011999549 WPI Acc. No. 1998-416459/199836 (citing French Application No. FR2758822-A, published July 31, 1998)
*	DZ	Devereux <i>et al.</i> , "A comprehensive set of sequence analysis programs for the VAX," <i>Nucleic Acids Research</i> , <u>129(1)</u> :387-395, (1984)
	EA	Dmitriev <i>et al.</i> , "Ectodomain of Cocksackievirus and Adenovirus Receptor Genetically Fused to Epidermal Growth Factor Mediates Adenovirus Targeting to Epidermal Growth Factor Receptor-Positive Cells", <i>J. Virol.</i> , <u>74(15)</u> :6875-6884 (2000)
*	EB	Douglas <i>et al.</i> , "Tageted gene delivery by tropism-modified adenoviral vectors," <i>Nature Biotechnology</i> , <u>14</u> :1574-1578, (1996)
	EC	Doukas <i>et al.</i> , "Retargeted delivery of adenoviral vectors through fibroblast growth factor receptors involves unique cellular pathways", <i>FASEB J.</i> , <u>13</u> :1459-1466 (1999)
*	ED	Drasmi, S. and Cossart, P., "Intracellular pathogens and the actin cytoskeleton," <i>Annu. Rev. Cell. Dev. Biol.</i> , <u>14</u> :137-166, (1998)
*	EE	Dror <i>et al.</i> , "Mastocytosis cells bearing a <i>c-kit</i> activating point mutation are characterized by hypersensitivity to stern cell factor and increased apoptosis," <i>Br. J. Haematol.</i> , <u>108</u> :729-736, (2000)
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	EH	Ebbinghaus <i>et al.</i> , "Functional and Selective Targeting of Adenovirus to High-Affinity Fcy Receptor I-Positive Cells by Using a Bispecific Hybrid Adapter", <i>J. Virology</i> , <u>75(1)</u> :480-489, (2001)
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* 	EJ	Fattom <i>et al.</i> , "Comparative Immunogenicity of Conjugates Composed of the <i>Staphylococcus aureus</i> Type 8 Capsular Polysaccharide Bound to Carrier Proteins by Adipic Acid Dihydrazide or <i>N</i> -Succinimidyl-3-(2-Pyridyldithio) propionate," <i>Infection & Immun.</i> , <u>60</u> :584-589, (1992)

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

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	FILING DATE July 10, 2000	GROUP 1632

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*	EM	Giancotti <i>et al.</i> , "Integrin Signalling," <i>Science</i> , <u>285</u> :1028-1032, (1999)
*	EN	Goldman <i>et al.</i> , "Targeted Gene Delivery to Kaposi's Sarcoma Cells <i>via</i> the Fibroblast Growth Factor Receptor," <i>Cancer Res.</i> , <u>57</u> :1447-1451, (1997)
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5/29/03

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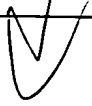
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*	GX	Nemerow, GR., "Cell Receptors involved in Adenovirus Entry," <i>Virol.</i> , <u>274</u> (1):1-4, (2000)
*	GY	Nemerow, G. and Cooper, N. "Early Events in the Infection of Human B Lymphocytes by Epstein-Barr Virus: The Internalization Process," <i>Virol.</i> , <u>132</u> :186-198, (1984)

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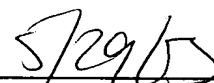
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* 	GZ	Nemerow Laboratory at the Scripps Research Institute WEB Cite Abstract at http://www.scripps.edu/imm/nemerow/researc.htm last updated July 2, 1999
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*	HO	Roberts <i>et al.</i> , "DNA Sequences from the Adenovirus 2 Genome," <i>J. Biol. Chem.</i> , <u>259</u> (22):13968-13975, (1984)
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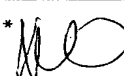
Title: **BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED GENE DELIVERY**

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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
	APPLICANT Nemerow et al.	
	FILING DATE July 10, 2000	GROUP 1632

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
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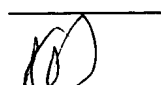
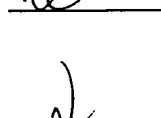
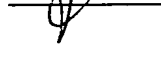
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	JQ	Witke <i>et al.</i> , "In mouse brain profilin I and profilin II associate with regulators of the endocytic pathway and actin assembly," <i>EMBO J.</i> , <u>17(4)</u> :967-976, (1998)
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U.S. PATENT DOCUMENTS

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(*) References previously cited (X) Derwent English language abstract and/or English translation provided.

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No

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A	Li <i>et al.</i> , "Production of functional antibodies generated in a nonlytic insect cell expression sysytem.", <i>Protein Expression and Purification</i> , 21(1):121-128, (2001)
B	Watkins <i>et al.</i> , "Targeting adenovirus-mediated gene delivery with recombinant antibodies," <i>Immunotechnology</i> , 2(4):307, (1996).

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EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A	6	1	2	7	5	2	5	10/03/00	Crystal <i>et al.</i>	530	388.22	03/13/97

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EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
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<i>W</i>	B	Fender <i>et al.</i> , "Antigenic sites on the receptor-binding domain of human adenovirus type 2 fiber", <i>Virology</i> , <u>214</u> :110-117 (1995)
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